

The Roof of Quality

DICKELMAN EXTRA



Guaranteed to Wear
Fifteen Years

DEX 99.9% Pure.



CAPITAL STOCK \$250,000.00

THE DICKELMAN MANUFACTURING COMPANY
FOREST, OHIO

REFERENCES: R. G. DUN & CO., BRADSTREET, OR ANY COMMERCIAL AGENCY
ALSO, HARDIN CO. BANK, FOREST, OHIO FIRST NATIONAL BANK, KENTON, OHIO

ANNUAL CATALOGUE
ILLUSTRATING AND DESCRIBING
DICKELMAN EXTRA
Galvanized Metal Roofing

And a Complete Line of Metal Roofings and Specialties of all kinds, such as—
Metal Shingles; Patent Reversible Eaves Trough; Corrugated and Plain Conductor
Pipes; Ridge Capping Cornices; Window Caps; Stop Gutter; Corrugated Iron
Awnings; Steel Brick Siding; Rock Face Stone; Metal Ceiling; Fire Proof Doors and
Shutters; Galvanized Water Troughs and Tanks and other Sheet Metal Specialties.

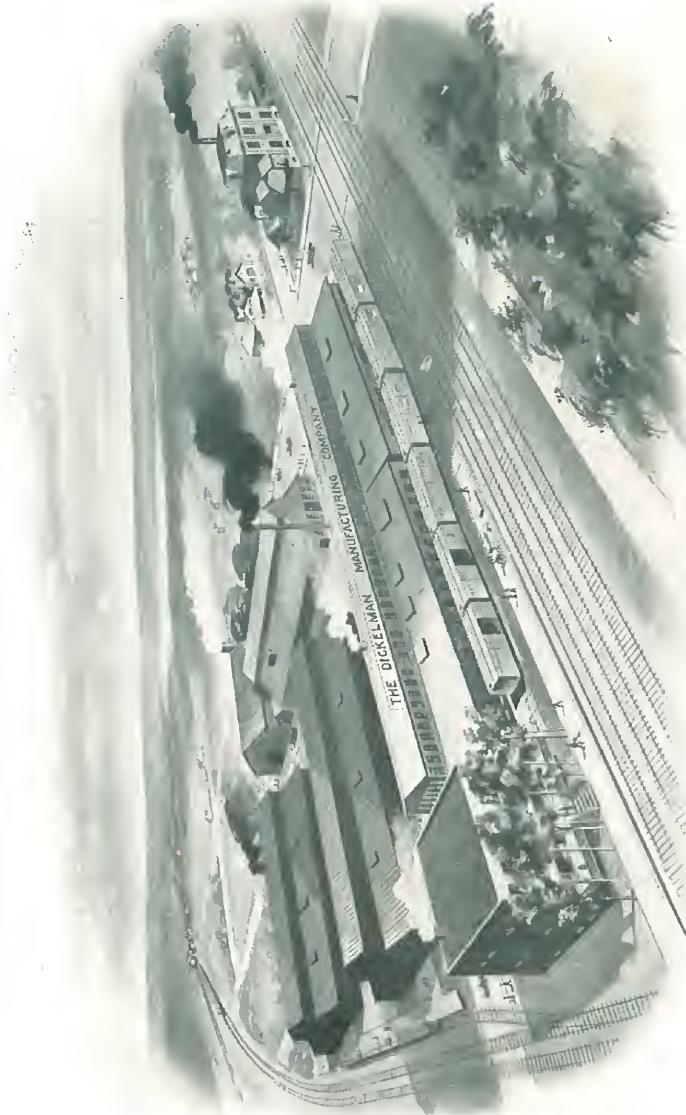


DEX 99.9% Pure

None Genuine Without This Trade Mark

Copyrighted, 1912
The Dickelman Manufacturing Co.

ROOFED AND SIDED WITH DICKELMAN EXTRA



THE PLANT THAT QUALITY BUILT

Our plant is justly styled "The Plant That Quality Built," because we have built our business on the solid foundation of the quality of material used by us in the manufacture of our goods. In buying our DICKELMAN EXTRA roofing you are getting the benefit of our past experience, and the very best quality of goods that it is possible for skilled workmanship to produce or money to buy. For over a quarter of a century the name Dickelman has stood for all that's best in metal roofing everywhere.

OUR GUARANTEE

WE GUARANTEE Dickelman Extra Open Hearth Galvanized Roofing to remain in perfect condition, water-proof and weather-proof, for a period of fifteen (15) years from date of delivery to you, our legally binding guarantee to be signed by us and handed you with invoice of your order.



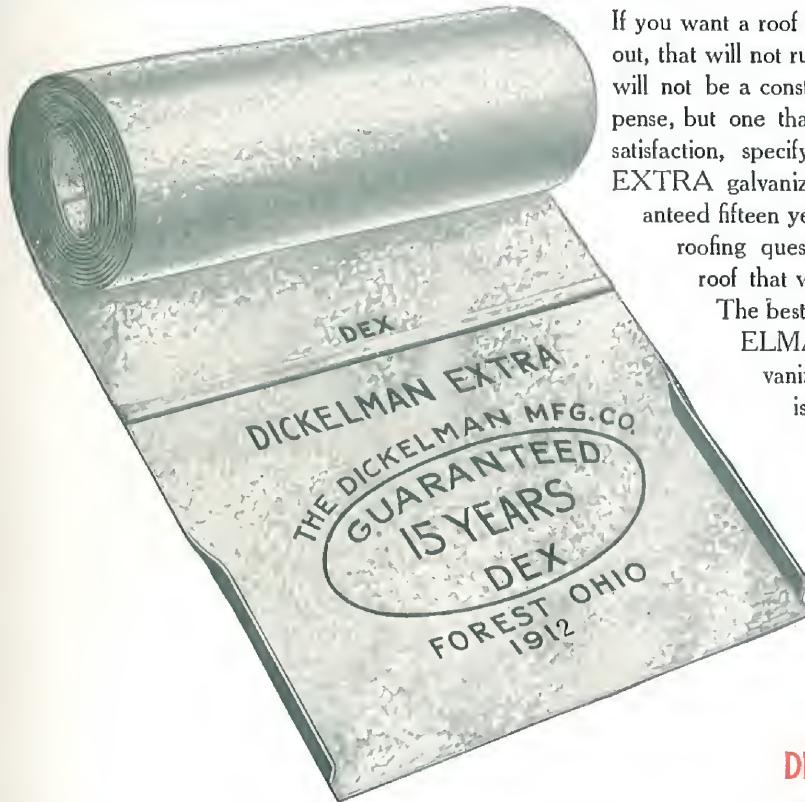
For your further protection, (in case printed guarantee be lost) and for the permanent identification of Dickelman Extra, we stencil with red paint on every roll the additional guarantee shown above, and stamp "Dex" into the metal at the end of each roll. If Dickelman Extra Open Hearth Galvanized Roofing rusts or deteriorates within the period of fifteen (15) years, we will replace same free of expense to you.

The DICKELMAN MANUFACTURING CO.
FOREST - - - OHIO

If your Local
dealer will not
supply you,
write us.
We will.

THE ROOF OF QUALITY

We guarantee it for fifteen years, but its actual record of service without painting or repairing is twenty-five years. Dickelman roofs, laid twenty and twenty-five years ago, are as weather-tight today as when first put on. They are as good as ever, and will last another twenty-five years.



If you want a roof that will not wear out, that will not rust or corrode, that will not be a constant source of expense, but one that will always give satisfaction, specify DICKELMAN EXTRA galvanized roofing, guaranteed fifteen years. Settle your roofing question by getting a roof that will last a lifetime.

The best proof that DICKELMAN EXTRA galvanized roofing will last is—that it has lasted.

DICKELMAN EXTRA is not an experiment but the result of long years of service, and testing right on the roof.

We have recent letters from those who laid these roofs twenty and twenty-five years ago, and will be glad to send them to you on application.

THE DICKELMAN MANUFACTURING CO.
FOREST - OHIO



A Dickelman Extra Roof is a Permanent Institution

HERE'S THE EXPERIENCE YOU WILL HAVE

Forest, Ohio, June 23, 1909.

THE DICKELMAN MFG. CO.,
FOREST, OHIO.

Dear Sirs:

Our mill is covered by a metal roof that was furnished by your Company over 20 years ago, and we take pleasure in stating that it is still in good condition.

A few years ago we had occasion to make an addition to our building, and in doing so it was necessary to cut away a portion of the roof. The absence of corrosion and the splendid condition of the roof in general was noted by the workmen and others.

Basing our judgment on the appearance of the roof and the satisfactory service it is still giving us, we think it is in nearly as good condition at the present time as it was then.

We do not think we are exaggerating when we state we fully believe we will get 8 or 10 years more service out of it, thus making an actual service of 30 years and over.

Wishing you the continued success that you deserve, we remain,

Very truly yours,

DOUGLAS & ASH,
By J. C. DOUGLAS.



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THE DICKELMAN MFG. CO.
GUARANTEED
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How does this sort of evidence on quality compare with the so-called "guarantees" given for long periods by firms new to the business—firms whose roofings have not been tested by time? The Dickelman record is made.

Why You Should Roof With Dickelman Extra

Here is what we offer you in Dickelman Extra Galvanized Metal Roofing—

A roofing guaranteed to give you full 15 years of perfectly satisfactory service without the need of your painting it or repairing it in any way during those 15 years—

The guarantee stamped right on the roofing itself, showing the year in which you make your purchase.

In addition you get a full guarantee in printed form—signed and delivered to you with the goods. This is for you to file away for convenient reference to hold us to our contract if the Dickelman Roof needs any attention from you within the 15 years from date purchased.

In other words, in furnishing you Dickelman's Extra we not only furnish you the best and most serviceable style of roofing—of the finest quality it is possible to make—

We furnish you with *roof insurance*, making ourselves responsible to you for that roof for a period of 15 years.

But—do not think for a moment that the life of a Dickelman Extra Roof is only 15 years. To our personal knowledge and the knowledge of our first customers, this 15-year guarantee is *10 years* within the wearing service of Dickelman Extra.

The first Dickelman Galvanized Roofs put up 20 to 25 years ago show no other wear today than that they have lost their brightness. They have not cracked, flaked, rusted or leaked at any point.

The Dickelman Roofs that have been on 20 to 25 years look as if they would be on 25 years more without any renewing or repairing being needed.

We have offered you letters from the owners of these roofs—on a former page—to prove this point. We offer them again. Because we want to make it perfectly clear to you that though we limit our personal responsibility to 15 years, simply to be extremely conservative—yet the records show that we would be safe in doubling the length of time of this guaranty.

And notice that our guarantee is a guarantee—it is a *contract* about which there can be no quibbling.



You want to heed this point because manufacturers of all sorts and grades of roofings are mighty reckless in advertising and talking about their "guaranteed" roofing, but the guaranty is seldom there. See to it that you get a real legally binding contract such as The *Dickelman* Guaranty. If any one wants to sell you roofing on any other terms tell him you can do better.

Tell him Dickelman's Guaranty is not only stamped on the roofing but it is down in black and white, in legally binding form, as any good buyer will testify, and is legally backed up by the Dickelman factory and by all that The Dickelman Manufacturing Company is worth.

Tell him that you can use Dickelman Extra and be *sure* of no more roof expense or troubles for *at least* 15 years.

So much for the length of service you will get from Dickelman Extra.

Long Service Means Economy

Dickelman Extra is not the roofing for a temporary building. It is for *permanent buildings*. It is a *permanent roofing*.

The man who puts up DICELMAN EXTRA galvanized roofing will never take it down. Its easy working qualities, perfect coat and extremely long life make it the most durable roof in the world.

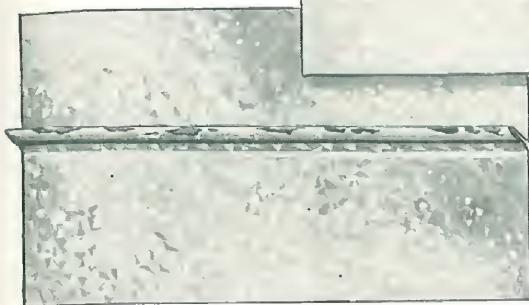
For the building that is to *last*, whether it be the home, the bank, the factory, the city skyscraper, or the barn, there is only *one* best roofing—only *one* most economical roofing—it is Dickelman Extra. Experience has taught us that while it costs us a little more for the material we are more than repaid by the satisfaction our customers feel in getting goods that give them everlasting service, being impervious to the action of the elements, proof against fire—and in applying is found always true to gauge, tough, pliable and easy to work.

Architects, technical journals and construction men everywhere specify Dickelman Extra as the Standard, because of its durability, its appearance, and exceptional fire-proof character. They know that it wears like slate, but is not needlessly heavy, as is slate, nor is it subject to breakage. They know that it needs no painting. They know that it cannot rust, cannot corrode, and that its first cost is the only cost.

Buy Roofing
with an
Established
Reputation—
DICELMAN
Extra

Here Are the Reasons

Showing the difference between ordinary roofing and Dickelman Extra when double seamed. See next page.



Dickelman Extra Roofing
99.9% Pure

Ordinary Roofing

Consider our metal base first. Our black sheets are made by a special process which insures the purest, toughest, most pliable metal it is possible to produce for this purpose. Being open hearth metal it has the greatest corrosion-resisting qualities as shown by comparative test illustrated on another page. Unlike Bessemer Steel, it contains no injurious elements, no gases which permit of rapid rusting and disintegration. Never buy or lay a galvanized roof, using Bessemer steel as a base, because

the price is a little lower. You will lose many times over what is saved in first cost because frequent painting or patching will be necessary and the lease of life will be short anyway. But in spite of the best materials being used and this care taken in the making of our metal base, yet we sort and cull and re-select the sheets for Dickelman Extra with infinite care, after running through the galvanizing pots.

Other manufacturers of metal roofings use "mill run" of even ordinary steel. So careful are we for Dickelman Extra that even on our special grade metal we cull out about 20 per cent of the very best "mill run."

The same pains are taken in the annealing and pickling processes.

Ordinary Metal Sheeting is not uniformly annealed. Some sheets are too hard, stiff and brittle, almost impossible to work up properly. You will never run across sheets of this kind in Dickelman Extra.

Then in the pickling process—in the cheap roofings the sheets must be run through the vats too fast. They are not properly cleaned—small "black spots" or scales will remain on the sheet and these spots will not take the galvanizing. Therefore, the metal will be exposed to the weather at these points and the base will rust through in a short time.

Look over one carload, a dozen, or an entire year's output of Dickelman's Extra—you can't find a "black spot," you won't find a flaw of any kind.

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Never Cracks, Flakes or Chips

But you will find the biggest difference between Dickelman's Extra and other galvanized roofings when you see the roofing laid or worked with in any way.

Seam and double seam, bend, twist and hammer as much as you will, you won't crack the galvanizing or raise a scale of it on Dickelman Extra.

That is the main reason why we can guarantee it for 15 years. The rain and weather can never get to the metal or base. The galvanizing is on there to stay.

This is why.

Our special process metal sheet is slightly porous, open grained, and has a long fibre. This allows the spelter or galvanizing to *sink* into the sheet. The galvanizing does not merely form a surface coating or veneer over the metal. It becomes an integral *part* of the sheet, filling up the pores, thereby mingling with the fibres of the metal.

You can see how different is the result. Notice the illustration, at top of preceding page, which shows how other roofings crack and flake when double seamed and how Dickelman's remains perfectly smooth.

Other roofings have a metal base upon which the galvanizing can form only a surface coating. Seam or double seam such sheets and the galvanizing cracks, exposes the metal, rust starts with the first wet or damp day, there is a hole rusted through in a short time.

On Dickelman Extra the galvanizing is a part of the whole body of the sheet, as well as a coating. Double seam Dickelman's and the galvanizing bends *with* the metal. There is no cracking, no flaking, no chipping, no exposed metal to rust.

Is it any wonder that other roofings are *not* guaranteed and that Dickelman Extra is guaranteed for 15 years?

About Painting

You know that no galvanized roof *ought* to need painting. When a man admits that it is best to paint his galvanized roof it is because he knows that it isn't what it *ought* to be.

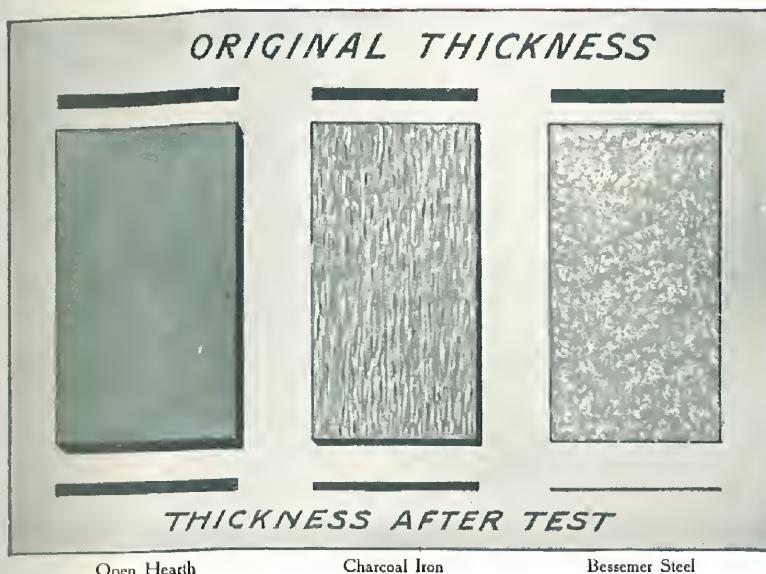
Dickelman needs no painting. We say it unqualifiedly.

It is always better for a man to roof with the mere black sheet than with a badly galvanized sheet. With the black sheet he will know that he must paint—with the galvanized sheet he will trust to the galvanizing and it will betray him.

Don't paint Dickelman's Extra. If it does not last *without* painting we are responsible. Remember that.

Buy DICKELMAN EXTRA,
the only kind
that carries an
unqualified
15 years'
guarantee.
DEX 99.9% Pure

Note This Comparison



This illustration, reproduced from an actual photograph, shows you how our Open Hearth metal compares with Bessemer Steel and Charcoal Iron.

All three were of the same thickness at the start.

The Bessemer steel was eaten away to a mere wafer. The Charcoal Iron stood up much better but

was badly disintegrated. The piece of our Special Open Hearth, 99.9% Pure, showed scarcely a trace of any chemical action.

Yet this Bessemer steel, that dwindled to almost nothing under the test, forms the base of most all galvanized roofings.

The Open Hearth metal, which the test had practically no effect upon, forms the base of Dickelman's Extra. Which will you have—which will make your property more *safe*—which will make your property more *saleable*?

Why it is easy to lay

There is all the difference in the world in the "workableness" of roofings. Builders know that.

Ask any contractor who has laid Dickelman Extra roofs and he will tell you that he can do better work in less time with it than with any other galvanized roofing.

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That is because Dickelman's is pliable, because it is absolutely true to gauge *always*, because it is uniform in weight, and because it is partly prepared for laying before leaving the factory—

The cross locks for double seams are turned, the end of one roll is ready to fit into the next, the seam being formed by merely clinching. No turning or hammering of the roof, and perfectly uniform, weather tight seams are assured.

The importance of the Dickelman trueness to gauge cannot be over-estimated, either. There is never any trouble about the measure, fit or "lay" of Dickelman Extra.

Every sheet is retrimmed after being galvanized. If you could see the little mountain of metal we throw aside in these trimmings every day, you would realize that there is no stinting, no closeness about expense, in order to make a perfect roofing material.

And when all is done, you have a roof as substantial as any other part of the building, a roof as water, wind and air tight as if it were one solid sheet.

After all the fitting and hammering necessary to meet the most trying conditions, you will find the galvanizing as smooth and firm at every ridge as in the center of the sheets—not a crack anywhere—not a flake as much as a pin head.

Any workman can lay Dickelman's and get these results. And the ease with which it is applied saves money in the cost of the laying.

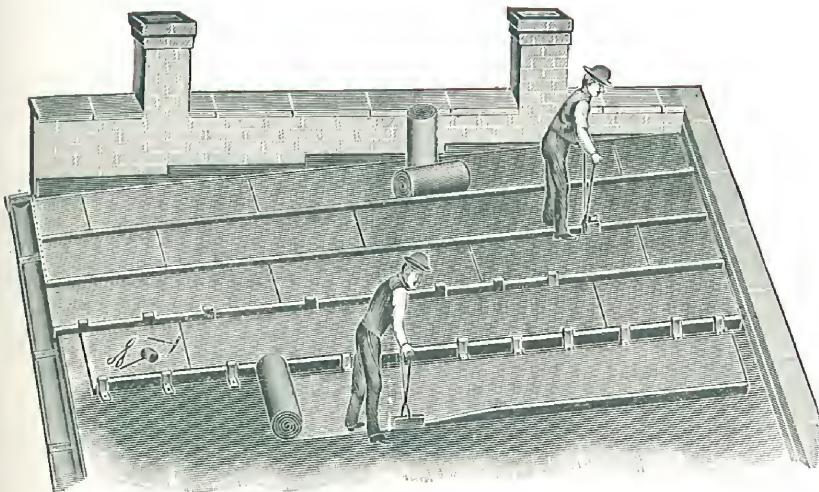
Don't waste money on temporary stuff for a decent building. If you do you'll have a burden of expense every year for painting and other repairs, you'll be doing an injustice to your property, and you'll never be through with the bother of it.

Put on a Dickelman Extra Roof and Forget It—

Buy the
"Roof of
Quality"
DEX
99.9% Pure

It will be there, weather tight as long as you will want it, and most likely as long as your children will want it.

Cut Showing Construction of Our Old Style
Double Seam Roofing



DEX 99.9% Pure. Guarantee Stamped on Every Roll

This is one of the most popular styles; it can be laid on either sheeting boards or lath. It is one of the most perfect and reliable plans of construction known. Firmest seams and most secure fastenings. Overcomes contraction, conforming to surface with uniform tension, is strong and durable, having no weak spots. Made from best quality Dickelman Extra galvanized sheets. 99.9% Pure.

PLAN OF CONSTRUCTION

Our Old Style Double Seam plan of construction is admitted by all mechanics who examine it to be the *most perfect and reliable in the market*. The plan followed throughout is very similar to that used in double folding tin roofing, but is much stronger, has fewer seams and can be applied faster. Then, too, our cross locks are all double seamed, being formed by machinery, rendering them perfectly reliable and far more satisfactory than where, as in tin, they are made on roof with nothing solid to mallet on. Side edges are easily formed with special tools. It also forms its own ridge and hip capping, having no separate caps, standing double seam being formed from sheet proper. This style roofing requires an experienced tinner and special tools to lay same. Your dealer will quote you price laid on your roof complete.

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Agencies

When we give an agency to a customer, we protect him in the territory over which he commands trade as long as he properly works it up.

We sell him the roofing from time to time, allowing him to make his own selling price to his customers.

How to Order

DICKELMAN EXTRA galvanized roofing is handled by the *best* dealers everywhere, and you can usually get prices on this direct from your local dealer, price including labor of putting on. It occasionally happens however, that the local dealer pushes a cheaper quality because there is bigger profit in it for him. In such cases do not allow them to give you something which they claim is "just as good," but insist on DICKELMAN EXTRA. If your local dealer will not furnish this, write us and we will see that you are supplied.

Much care should be taken in making out orders. It always delays shipments when orders are sent in that are not plain or complete, as it compels us to hold them until we can write and find out just what is wanted and how it is wanted.

Estimate how many sheets you need to cover the surface and what lengths will suit best and make the least cutting. *Be sure to allow for end laps.*

If for roofing, allow 3 to 6 inches; if for siding, one inch is enough. The covering width of everything we make is two feet, except where otherwise stated.

Be sure to name everything in your order that you want, and how you want it.

When corrugated sheets are used for roofing *not less than two corrugations should be used for side laps.* There is always danger of leaks in the side laps where only one corrugation is used.

We do not advise its use on a flat roof, but recommend our Standing Seam Metal Roofing, which will always be found satisfactory for that purpose.

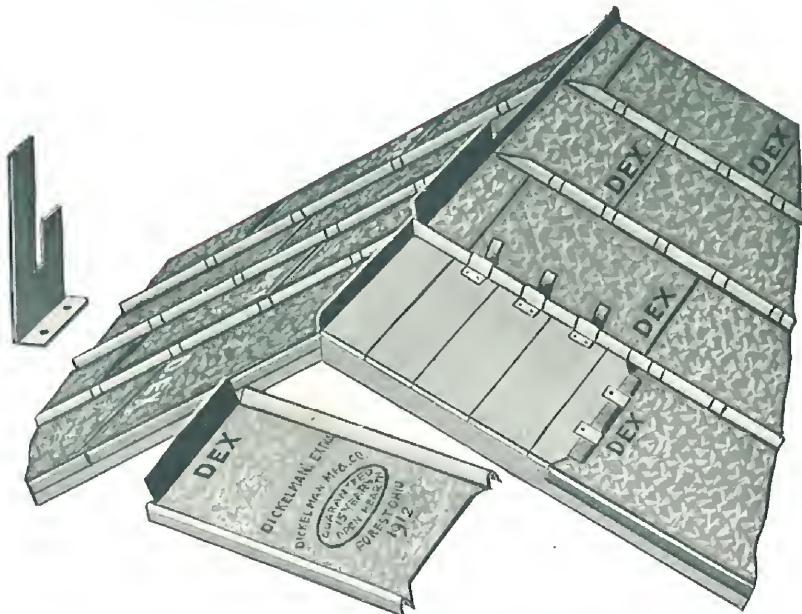
PROMPT SHIPMENT has always been a motto of our factory and, should it be necessary to supply you from the factory, you may rest assured that your order will be promptly cared for. We pay the freights on all shipments. Our routing department determines in all cases the shortest and cheapest way to ship to any point in the United States or Canada.

Doesn't last
because it's
guaranteed
but
guaranteed
because it
lasts—
DICKELMAN
EXTRA
DEX 99.9% Pure

DICKELMAN EXTRA

Standing Pressed Seam Galvanized Roofing

Can Be Laid Over Old Shingles if Desired



Cut Showing Formation of Our Standing Pressed Seam Galvanized Roofing

Very easy to lay and makes a perfect job. Can be laid over old shingles if desired. Sheets 5, 6, 7, 8, 9 and 10 feet long. 24 inches wide from center to center of seams. 100 square feet—one square. Allowance for side laps included. Should be applied on sheathing or lath with end laps, or if the roof is flat, with end locks.

When desired, we can furnish *Standing Pressed Seam Roofing with beaded center*. This adds material strength and stiffness to roof.

Look for Guarantee stenciled on every Square. 99.9% Pure.

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Instructions for Laying

Dickelman Extra Galvanized Standing Pressed Seam Roofing

Our Dickelman Extra Galvanized Standing Pressed Seam roofing is very simple and easy to lay, as will be seen by cut on preceding page. Before starting to lay roof, end locks are turned on ends of sheet with lock former furnished for this purpose, the lock being turned up on one sheet and under on the opposite sheet so the two sheets lock together and form an end lock. The end lock can be turned on sheet either at factory before shipping or can be turned on building as the roofing is laid. Where we turn end locks at factory before shipping there is an extra charge of 10c per square.

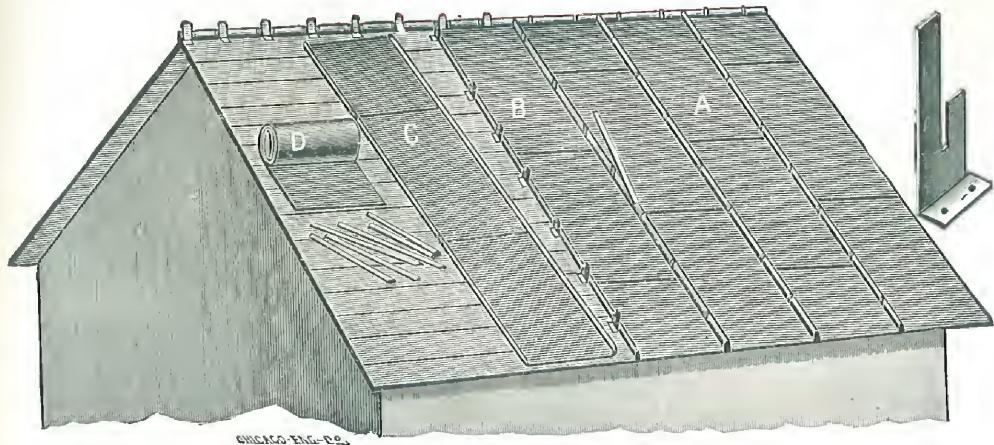
In laying roof you begin at eave of roof laying sheet in position allowing end to lap over $1\frac{1}{4}$ inches at eave. This is afterwards flattened down and nailed to eave board. The first sheet is laid in position and cleated to sheathing board, as shown in cut, the cleats bending back over lock as shown. The standing seam on side of sheet next to gable is then flattened down over gable end as shown and nailed to facia board. The second sheet is then put in position, the turned under lock on end of same being hooked to the upturned lock of first sheet so that the two sheets are hooked together, after which the lock is nailed down tight. A little cement can be laid under lock before closing if roof is very flat. Flatten side seam along gable and nail to facia board same as the first sheet. (Cleats must be nailed to sheathing board at end lock of first sheet before laying second sheet—see cut.) Standing seam is formed at comb of the sheet proper, (see detached sheet on drawing). The sheet is allowed to project over comb 1 inch on one side of roof and $1\frac{1}{2}$ inches on the opposite, the $\frac{1}{2}$ inch of long side being folded down over the 1 inch of short side forming cap at comb of the sheet proper. The roof should be cleated every 12 to 18 inches both at standing seam on side and at comb—see cut.

After first course is laid, start at eave and lay second course, proceeding in the same manner as laying the first course, except that the standing seam of the second course is lapped over the standing seam of first course and cleats are bent back into position over sheet, the standing seam being then closed with cap squeezers or pincers provided for this purpose. Care must be taken to press the standing seam down tight when putting the two seams together, and bend cleats back over seam. After one side of roof is finished start in on the opposite side laying in the same manner as the first side.

When desired, a separate ridge cap can be furnished for finishing the ridge at comb. This is a little easier laid but most tinners prefer finishing comb from sheet proper as described above.

DICKELMAN
EXTRA
renowned
for quality
and durability
DEX 99.9% Pure

DICKELMAN EXTRA
Galvanized Roll and Cap Roofing



DEX 99.9% Pure.

In this we use *the very best quality* of Dickelman Extra galvanized roofing sheets. Note our "D" Patent Double Cleat. This makes the firmest anchorage known. All cleats made of galvanized iron, formed ready for use. Look for guarantee stenciled on every roll.

Can be laid over old shingles.

When a good roof at smallest minimum cost is desired, we strongly recommend the use of our Roll and Cap. *It always gives satisfaction*, and while used for all purposes, is, owing to cross locks being formed true by machinery, specially adapted to *flat* surfaces. Wherever flat seam tin or gravel can be laid (one-half inch fall to the foot), this roof can be applied—cross locks being absolutely watertight.

The joints are neatly and closely made and the roof the most perfect, simple, most easily and rapidly laid roll cap roof in the world.

Galvanized roofing is rust-proof and requires no paint.

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Instructions for Laying Roll and Cap Roofing

Your dealer will know how to lay this, but where he does not handle this and will not get it for you, you can with the aid of special tools lay this yourself.

Measure length of roof from eave to comb, cut strips from roll proper lengths, allowing $1\frac{1}{2}$ inch for turn-down at eave, and 1 inch for turn-up at top or comb.

Turn up both sides of sheets with tongs, making 1 inch Standing Seam (see sheet marked "C"); this can be done on the ground before taking the metal on roof. After the strips have all been cut the proper lengths and tonged up, begin at one end of roof, lay sheet, allowing outside edge to extend over sheathing 1 inch and bend down over sheathing board the full length of the strip. Then begin on the opposite side and cleat every 12 inches, press sheet down firm to sheathing board and bend short side of cleat over the standing seam, pressing them down tightly. Then bend the long side over loosely, lay another sheet close to the first one, bringing the standing seams close together and place cap over both edges of standing seam, press cap down firmly and bend long edge of cleat up and over cap (see page 17 catalogue, showing method of placing caps and cleats), then take closing tongs (Squeezers) and press cap down firmly and even throughout the entire length. Continue in same manner until roof is completely covered.

In laying the roof allow the sheet to project $1\frac{1}{2}$ inch at end, hammering this down and nailing fast to sheathing board, allowing sheet to project 1 inch at comb. After one side of roof is covered, tong edges up at comb and cleat, same as on sides.

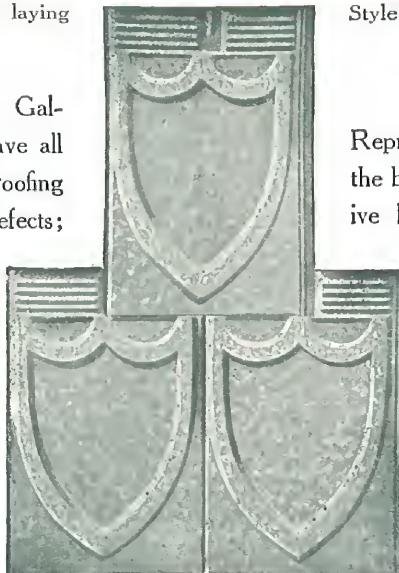
Then lay the other side of the roof same as first side, laying strip up even with outer edge of roof tonged at comb, when both sides are laid, cleat and tong cap edges at comb, making a standing seam and cap same as main roof.

Our 15 year
guarantee
absolutely
protects you
yet it costs
you nothing



Style B—Showing method of laying
Roman Design.

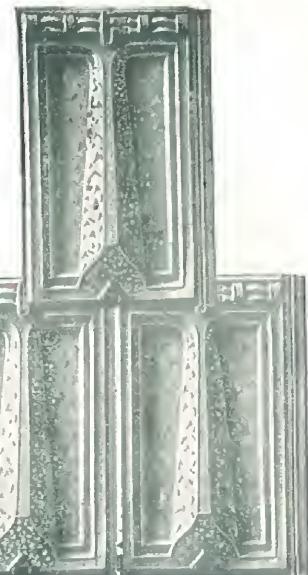
DICKELMAN EXTRA Galvanized Shingles and Tile have all the advantages of a good roofing material with none of its defects; besides having many points of superiority not obtainable in any other roof covering. Require lighter frame than any other good roofing, making them economical, and a big item in the cost of the building is thereby decreased.



Style A—Showing method of laying
Gothic Design.

Dickelman Extra
Embossed
Metal Shingles and
Tile

Dickelman
Extra
DEX 99.9%
PURE.

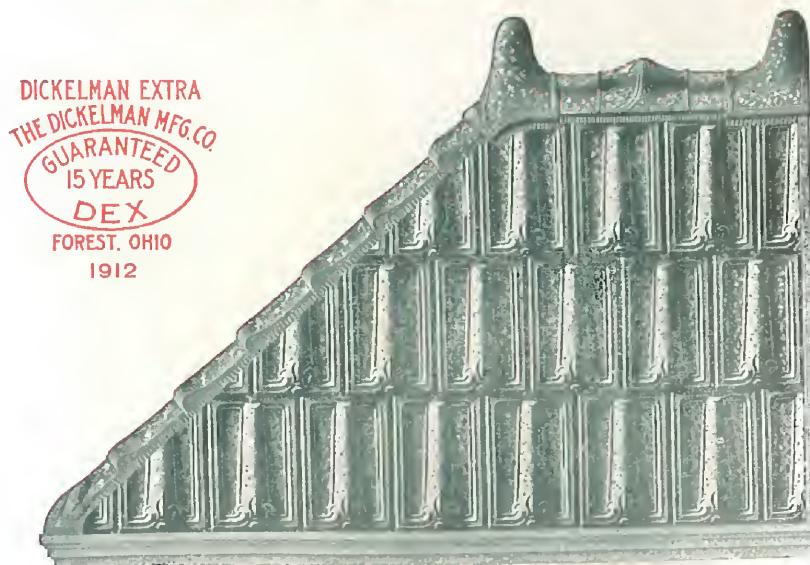


Style C—Shield Design.

Represent a good investment, as the building is made more attractive by their use, and therefore increases in value.

Will give the owner a certain pleasure and pride from the assurance of having the BEST and most ornamental roof obtainable.

Dickelman Extra "Roman" Metal Tile or Shingle



Style B—Roman Design.

A Roof Covering that is Perfectly Constructed, Ornamental, Durable,
Easily Applied and Moderate in Cost.

Furnished in 10 x 14 size only.

The Most Beautiful Roof in the World. Ornamental and Lasting.

DICKELMAN EXTRA METAL SHINGLES AND TILE

Are more durable. Are more ornamental.

Require no painting or other attention to keep them in repair.

Will not rattle. Have no nails exposed to the weather.

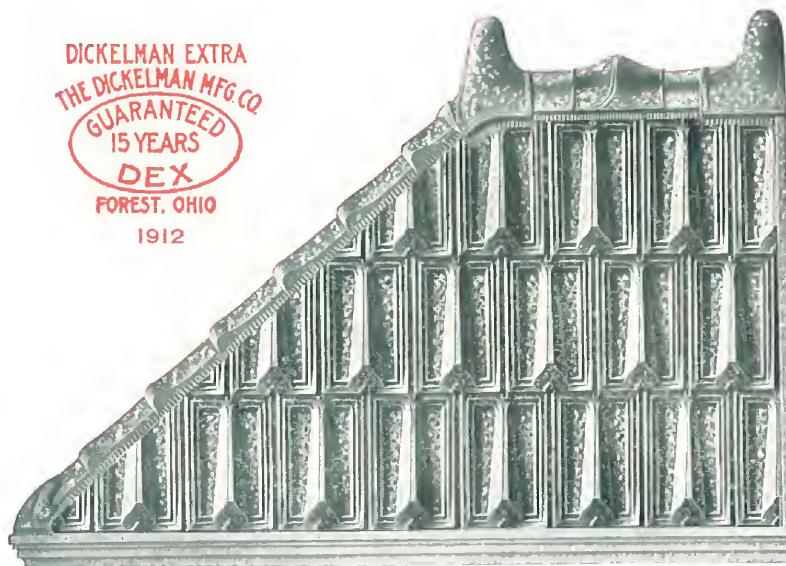
Will not rot, curl up, split, crack, slip or blow off.

Afford perfect protection from driving snow as well as rain.

Can be taken off and relaid on another roof without damage or waste.

Are constructed with patent joints, absolutely watertight, which permit each piece to contract and expand, still remaining weather proof.

Dickelman Extra Gothic Shingle or Tile



Style A—Gothic Design.

Made from Dickelman Extra Best Quality Open Hearth Plates.

PAINTED TIN, GALVANIZED OR COPPER.

Furnished in 10 x 14 size only.

Galvanized Shingles can be laid by a Carpenter or Roofer quicker than any other material. No Soldering required, just nails; the lock and flange take care of the rest. Under no condition can any of our DICKELMAN EXTRA Metal Shingles or Tile ever blow off.

No little bills to pay for Soldering and Painting on account of Leaking. Once on, on for a Life-time.

Reduce the cost of insurance, being both fire and lightning proof. Lightning was never known to strike or injure a building covered with a metal roof.

Can be successfully laid by any workman who will read and follow our printed instructions. No solder is used; only a pair of snips and a hammer are needed.

DICKELMAN EXTRA METAL SHINGLE

Made of Best Quality Dickelman's Extra
Galvanized Iron, Tin and Copper

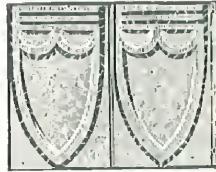


Fig. F. Made in three sizes; 7 x 10, 10 x 14 and 14 x 20 inches

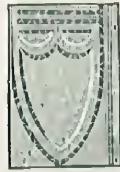
Lighter, better and cheaper than slate, better than wood, simple in construction, easily applied, absolutely water tight. We furnish these either in single or double plates. The double plates are stamped two shingles to the plate and go on much faster.

DICKELMAN EXTRA GALVANIZED SHINGLES

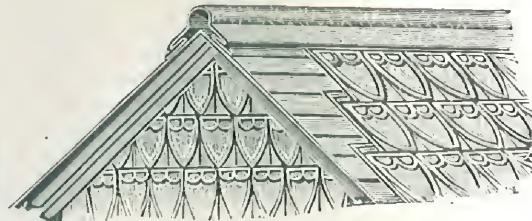
2 Sizes:—14 x 20 and 10 x 14



14 x 20 Double Shingle



10 x 14 Single Shingle



Quality
all through
if it
bears the
DICKELMAN
stamp

Galvanized "Cluster Shingles"



A perfect roof at a low cost.

Where an ornamental roof is desired, which can be laid quickly and easily, we strongly recommend the use of our *Dickelman Extra* galvanized cluster shingles. This is a perfect imitation of slate, is much lighter and more durable. Fire and lightning proof, and requires absolutely no experience to lay same, a hammer and pair of tinner's snips being the only tools necessary.

We furnish specially prepared ridge roll, valley, ornamental hip shingles and everything complete for laying this. See illustration herewith, page 20.

Where size of building is given we will figure the amount of shingles required for job complete.

The Special Features that commend *Dickelman Extra* Cluster Shingles over shingles shown on page 20 are: The cheapest cost, both in cost of material and labor in laying. The cluster shingles are furnished in five or eight foot lengths, going on very quickly. They are provided with side lock and end lock, through which water cannot seep, making an absolutely storm and weather proof roof. They will not rattle and are fire and lightning proof.



Hip Cap or
Ridge Roll

DICKELMAN EXTRA Galvanized "Cluster Shingles"



Fig. 1. Showing Sheet Cluster Shingle Ready for Laying

DIRECTIONS FOR LAYING GALVANIZED CLUSTER SHINGLES.

Dickelman Extra Galvanized cluster shingles are provided with both sides and end locks, making this absolutely water tight. In laying commence to lay shingles from eave, driving nails through nailing flange close to seam as shown by nail holes. Care must be taken in keeping the first course straight. After first sheet is laid, hook flange into opening at seam as shown at "A"; slip into position and nail through nailing flange, both sides and top, proceeding in this way until first course is laid the entire length of building.

After first course is laid nail top of sheet "B" to sheathing board, every six or eight inches, driving nails through nailing flange just above the pocket or slip joint.

Now, commence to lay the second course starting with the part of sheet cut off from first course, taking care to break joints.

In starting second course hook lower flange of sheet "A" into pocket or slip joint of first sheet "B," just below nailing flange. Care must be taken to see that this is hooked thoroughly. Then nail through nailing flange on side, same as in first course, also through top of flange at second sheet, taking care to see that sheets lay perfectly flat on sheathing board and are hooked together at the lower edge. Proceed the same way as in laying first course going over lock with wood mallet, hammering down and flattening this where the two sheets lock together, which effectually prevents any possibility of leakage either from snow or rain. In laying valley and ridge roll follow instructions as given on the small shingles as shown on pages 19 and 20.

We recommend for use with Dickelman Extra Galvanized Shingles,
RIDGE AND HIP ROLL CAPPING, ALSO SPECIAL VALLEY

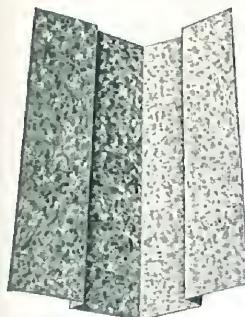


Style A.

"A" and "B" show special roll and capping suitable for both hips and ridges.

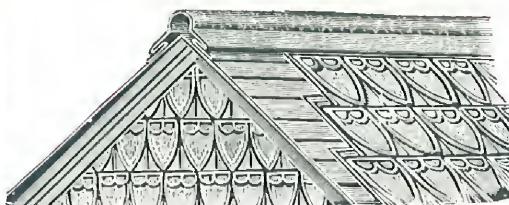


Style B.



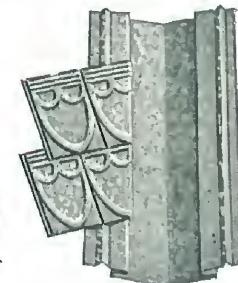
Style D.

Special Galvanized Valley



Style C.

Showing style "A" used for ridgeway.
"B" may be used in same manner.

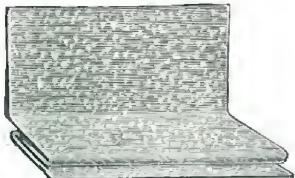


Style E.

Method of locking shingles to valley.

GABLE END FINISH.

PORCH FLASHING.



Style F.



Style G.

BEAD FINISH.



Style H.

INSTRUCTIONS FOR APPLYING.

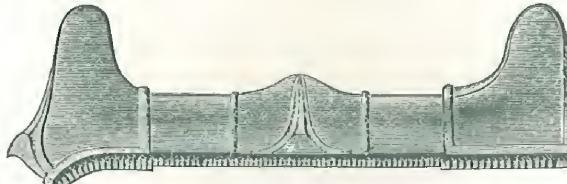
We issue a four page instruction sheet, showing just how to apply our Metal Shingles and Tile, with Valley and Ridge Roll complete. This is sent with every shipment of Shingles or Tile.

Dickelman Extra Metal Shingle Trimmings

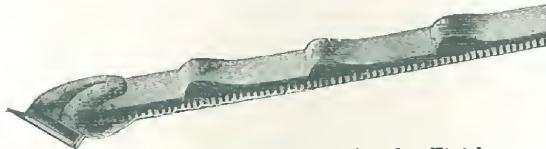
GALVANIZED OR PAINTED TIN.



Style M—Continuous Ornamental Ridge Roll.



Style J—Ridge Finish Complete.



Style L—No. 725. Hip and Ridge Finish.

PRICE LIST.

Shingle Valley, Ridge Roll and Trimmings.

	PRICE PER LINEAL FOOT.	Galvanized.	Painted.
Style "A," Galvanized Ridge and Hip Roll,		\$.10	\$.07
Style "B," Galvanized Ridge and Hip Cap,10	.07
Style "D," Shingle Valley, 14 inch Girth,10	.07
Style "F," Shingle Porch Flashing,08	.06
Style "G," Shingle Gable End Finish,09	.07
Style "H," Bead Finish for Gable Ends,04	.03
Style "M," Continuous Ornamental Ridge Roll,10	.07
Style "L," Shingle Hip and Ridge Finish,20	.18
Style "J," Shingle Ridge Finish,15	.14
Style "J," Gable and End Finials, each		1.00	1.00

DICKELMAN EXTRA V Crimped Iron Roofing

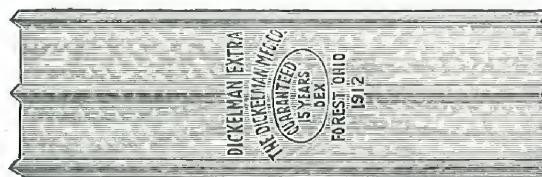
Suitable for all kinds of Buildings: Warehouses, Elevators, Cotton Mills, Gin Houses, Barns, Stables, etc. Requires no tools for laying.

Next in popularity to our corrugated sheets are the V crimped sheets. These, like the corrugated, are very easy to lay, requiring no special skill, and no tools except an ordinary hammer and nails if lapped. By following the simple directions we give you here you can put on your own roof and do a good job.

"V" crimped sheets make a very durable roofing and siding, are also very quickly applied, and very economical for covering sheds, barns, chicken houses, mills, etc.

Unlike the patent formed roofings, if your building becomes old and you tear it down it is easy to take off the "V" crimped roofing and use it on another building.

Regular stock sheets 5, 6, 7, 8, 9 and 10 feet long. V Crimp should not be nailed through the top of the crimp, but through the overlapping sides, as shown above. Made from best quality Dickelman Extra Stock. *We also make a Three Crimped Roofing* with crimp in center of sheet. This makes a very stiff roof, and is very popular.



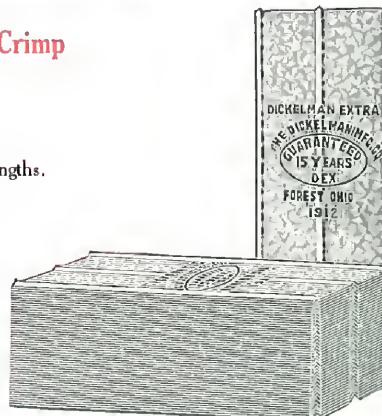
3 V Crimped Roofing

DICKELMAN EXTRA Galvanized Three Crimp Roofing

Requires No Tools for Laying

Can be furnished in 5 feet, 6 feet, 7 feet, 8 feet, 9 feet and 10 feet lengths.

Shows our Pressed Three Crimp Roofing. The center crimp stiffens the sheet and prevents rattling. The sheet covers two feet, being 24 inches from center to center of outside crimps. The number of sheets to a square, quality and weight the same as Two Crimp. Requires double as many wood strips, and is ten cents per square higher in price than Two Crimp. Look for Guarantee stenciled on every square.



DICKELMAN EXTRA Corrugated Sheets

Moderate cost, long life, effective service, superior protection against fire and storm, with both ease and rapidity of application, have made Corrugated Sheets a most popular building material. In all parts of the world they are used for roofing, ceiling and siding construction. Especially in the latter use they offer wonderful advantages over other materials employed for the same purpose, in that they add to the rigidity of the building on which they are placed, and remove the necessity of heavy framework and bracing.

The sheets, made from painted or galvanized iron are the acme of quality both in material and workmanship, and have a universal name for their ease of application and reasonable cost.

CORRUGATED SHEETS do not rattle from expansion, contraction or wind, nor sag or buckle after a few years' use.

We make all the different widths of corrugations: $\frac{5}{8}$, $1\frac{1}{4}$, 2 and $2\frac{1}{2}$, of either black, painted or galvanized quality.

TWO AND ONE-HALF AND TWO INCH CORRUGATIONS

Made From Best Quality Dickelman Extra Stock
DEX 99.9% Pure



Requires No Tools For Laying

A—Thirteen corrugations to the sheet; full width, 26 inches; covering width, 24 inches. This size is suitable for roofing or siding. Regular length ten feet; but we can furnish it 4, $4\frac{1}{2}$, 5, 6, 7, 8, 9 and 10 feet long, when so ordered.

B—Thirteen corrugations to the sheet; full width, 26 inches; covering width 24 inches. This size is suitable for roofing or siding. This in 4, 5, 6, 7, 8, 9 and 10 feet lengths—painted or galvanized, as desired.

Look for guarantee stenciled on every square.

DICKELMAN EXTRA One and One-Fourth Inch Corrugations



One and one-fourth inch from center, three-eighths inch deep.

DEX 99.9% Pure

Twenty corrugations to the sheet; full width 25 inches; covering width, 24 inches. This size is much used for ceilings. It also make a tight, durable and ornamental covering for side walls. Can be painted to suit taste after applied. Regular length 10 feet; but can be furnished in 4, 5, 6, 7, 8, 9 and 10 feet.

Plain corrugated sheets are the most popular form of iron roofing. They are very durable, comparatively light, and permit of the use of a light framework. They can be put on by any man with no other tools than an ordinary hammer and nails—no special knowledge needed. Corrugated sheets are very satisfactory for laying right on rafters, as the corrugations tend to stiffen the sheets.

Corrugated sheets are also peculiarly adapted for siding. Flat sheets will not support their own weight, but corrugated sheets add strength to building to which they are applied.

Corrugated roofing can be put on cheaper, with less time, and is easily applied by the man who wants to save money by putting on his own roof.

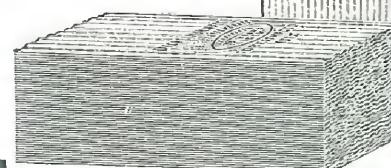
Laying corrugated sheets right on the rafters or purlins will save you from \$1.50 to \$2.00 a square in roof boards alone.

Our corrugated sheets cover two full feet in width when laid and are cut in the factory to fit your roof.

All corrugated sheets guaranteed perfect, and corrugations exactly alike.

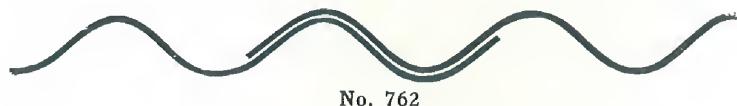
All guaranteed under our flat 15 year Guarantee.

Look for guarantee stenciled on every square.

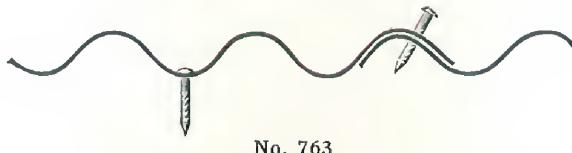


Corrugated Roofing

Should have three to six inches for end lap, and one and one-half corrugations for side lap, as shown in No. 762. Observe that the left edge curves downward and the right edge curves upward. Such sheets will be made for roofing only when so ordered. Two corrugations are also made for side lap, but are no better than one and one-half.



Corrugated Siding



How to Estimate Amount and Cost of Corrugated Sheets

First select the best lengths of sheets to fit the space, bearing in mind the end laps. On Siding one inch lap will do, while for Roofing nothing less than three inches, and if a slight pitch, six inches, for end lap. As each sheet of No. 28 Gauge lays just two feet wide, it is a simple matter to ascertain the number of sheets necessary to cover the space. Then estimate the number of feet in our two (2) and two and one-half ($2\frac{1}{2}$) inch corrugated sheets, as follows:

- 6 feet long, 13 sq. feet, lay 2 feet wide, selling measure 26 in. wide.
- 7 feet long, $15\frac{1}{6}$ sq. feet, lay 2 feet wide, selling measure 26 in. wide.
- 8 feet long, $17\frac{1}{3}$ sq. feet, lay 2 feet wide, selling measure 26 in. wide.
- 9 feet long, $19\frac{1}{2}$ sq. feet, lay 2 feet wide, selling measure 26 in. wide.
- 10 feet long, $21\frac{2}{3}$ sq. feet, lay 2 feet wide, selling measure 26 in. wide.

On $1\frac{1}{4}$ inch or small Corrugated Sheet, figure as follows:

- 6 feet long, $12\frac{3}{4}$ sq. feet, lay 2 feet wide, selling measure $25\frac{1}{2}$ in. wide.
- 7 feet long, $14\frac{7}{8}$ sq. feet, lay 2 feet wide, selling measure $25\frac{1}{2}$ in. wide.
- 8 feet long, 17 sq. feet, lay 2 feet wide, selling measure $25\frac{1}{2}$ in. wide.

THE DICKELMAN MANUFACTURING CO., FOREST, OHIO

DICKELMAN EXTRA Formed Metal Siding Materials

Serviceable, attractive, yet inexpensive buildings are often required by the property owner. At such times the cost of material becomes a most important factor, and we are, therefore, pleased to bring our FORMED METAL SIDING MATERIALS to your attention.

They require but light structural work to carry them; can be applied by inexperienced hands, and if directions are followed can be made wonderfully attractive in appearance, while the cost is so low that no one can afford to overlook them.

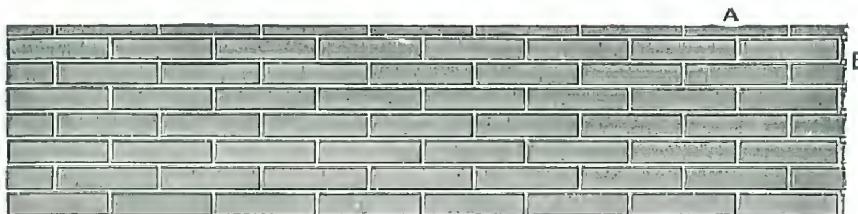
Our Formed Siding Materials can be furnished plain, painted or galvanized, as desired. The plain and painted bear the stencil "Forest"—the galvanized "Dickelman Extra" on every bundle.

The following information will prove interesting, we feel sure, and further information will be gladly given if you will write us.

PLAIN PRESSED BRICK

Sheets 26 inches wide, 58 inches long

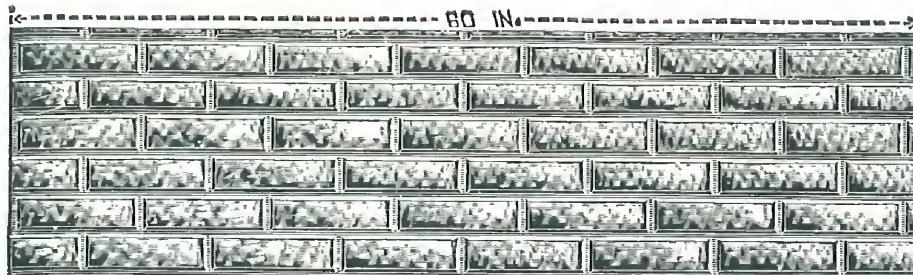
DEX 99.9% Pure



Suitable for Siding Stores, Offices, Dwellings, etc. Also for inside finish. It makes the finest wainscoting ever used for Stores, Halls, Offices, etc. Superior to enameled brick, and one-twentieth the cost. For corner coverings, see page 29.

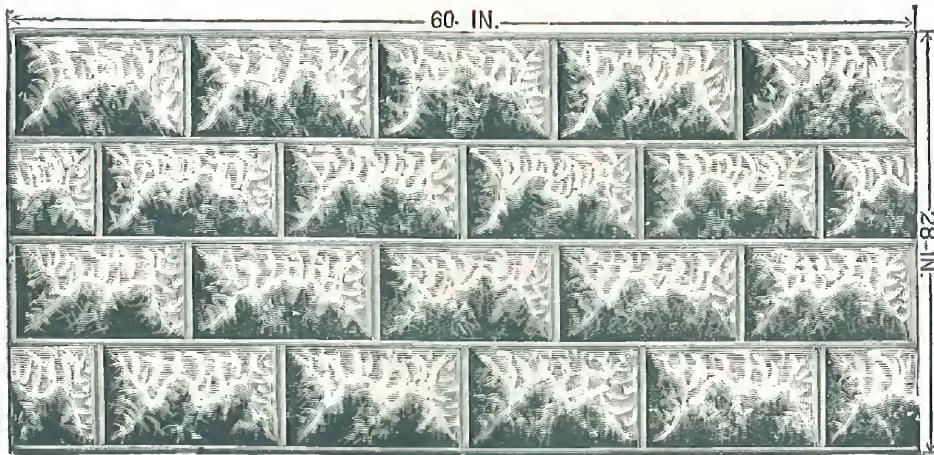
ROCK FACE BRICK SIDING

DEX 99.9% Pure



To get the best effect from the use of this product, use care in applying, see that all lines are continuous and plumb. When in place give the surface a good coat of brick-red paint, then paint the mortar a grayish white. Be careful that the red used dries to the proper color, and is neither too dead nor too brilliant.

DICKELMAN EXTRA Rock Face Stone



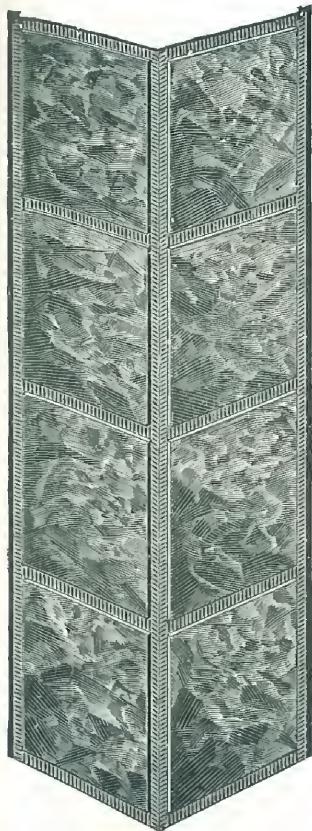
No. 1. Size of Single Stone, 7 x 12 inches. Sheets, 60 x 28 inches.
We also make this in large size stone, 13 x 24 inches.

DEX 99.9% Pure

Painted or Galvanized as desired

When applying this product care should be taken to keep the mortar lines exactly horizontal and perpendicular. If this is done and the metal painted with a heavy coat of thick gray or brown paint, then dashed with pebbles or coarse sand, an excellent imitation of stone will be the result. The general effect can be greatly enhanced by lining out between the stones with a lighter colored paint, this giving the same effect as "pointing."

See cut of barn, page 21, covered with our rock face stone siding, and roofed with our V crimped roofing. The rock face stone is also extensively used for porch work.



No. 8

CORNER



No. 10

CORNER



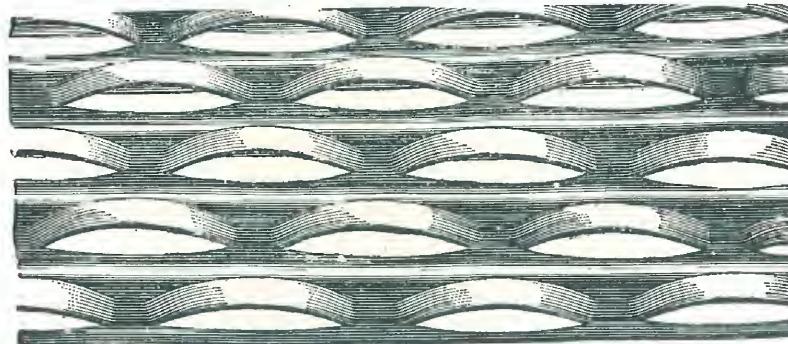
No. 11

No. 8—Shows Rock Face Stone Finish—12 inches to the weather on each face.

No. 10—Shows Rock Face Brick and Stone Corner Finish—4 inches to the weather on each face.

No. 11—Shows Plain Brick Corner Finish.

**FIRE
PROOF
STEEL
LATH**



Best and cheapest. No waste of material. Reduces Fire Insurance expense.

Size of sheets, 24x96 inches. Made in gauges Nos. 27, 28 and 29.

"We are living in the age of Steel and Construction."

We furnish Metal Lath in several different styles. Write for prices and descriptions.

**CLAP OR
WEATHER
BOARD
SIDING
DEX 99.9% Pure**



In any length up to 10 feet.

No directions are needed for this product other than previously given. However, we might suggest that in painting, the brush be drawn lengthwise of the weatherboard, thereby giving a grain to the metal which makes it look even more than ever like wood. To paint across will be both tedious and give a rough, unattractive finish.

**BEADED
IRON
DEX 99.9% Pure**



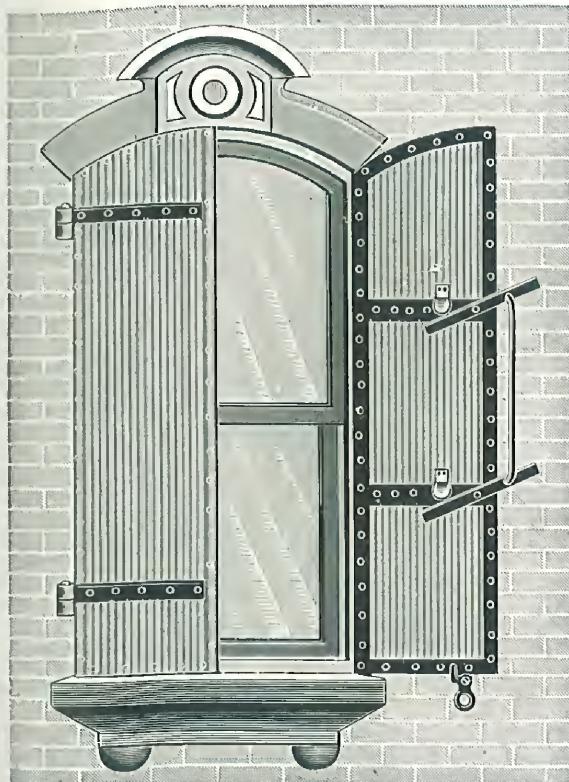
Sheets of any length desired up to 10 feet standard gauge can be furnished in this. Covering width two feet, after using one bead for side lap, which we allow.

DICKELMAN EXTRA Galvanized Ridge Roll

Furnished in 2 and $2\frac{1}{2}$ inch roll—Regular length 8 feet.



Corrugated Ridge Roll



CORRUGATED RIDGE ROLL

Made especially for corrugated roofing, the corrugated flanges fitting down over corrugations in roofing and making ridge watertight.

SINGLE CORRUGATED DOORS and SHUTTERS

Cheap and Durable.

Made of No. 18 and 20 Gauge Corrugated Iron, and stiffened with Angle Iron Frame.

We will quote special prices on Doors and Shutters, if parties wanting them will state size and number wanted.

When ordering, accurate specifications and dimensions must be furnished, as indicated by diagrams. This is of great importance both to the customer and to us.

We can furnish Shutter Hinge Eyes for brick, stone or frame buildings.

Ornamental Weather Vanes
----Dickelman Extra Quality

DEX 99.9% Pure

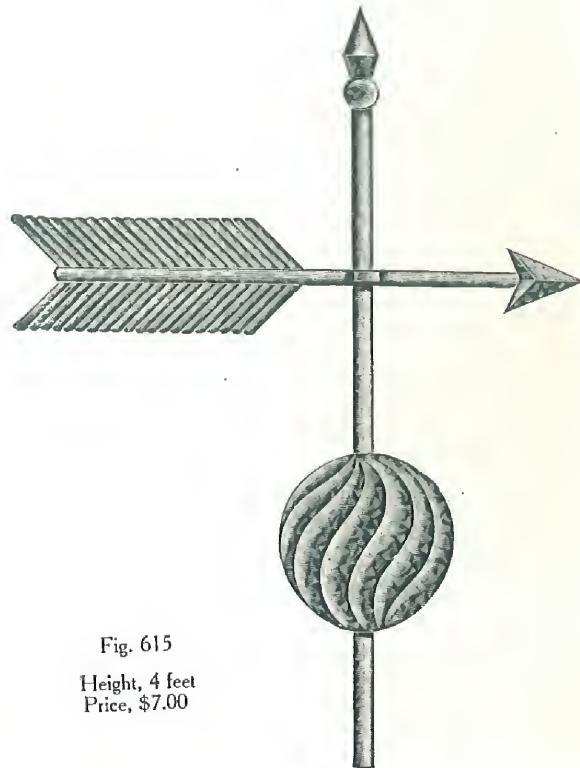


Fig. 615

Height, 4 feet
Price, \$7.00

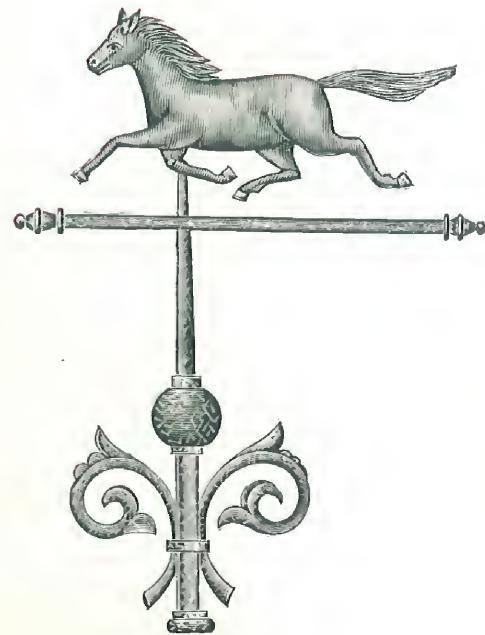


Fig. 620

Price, \$12.50

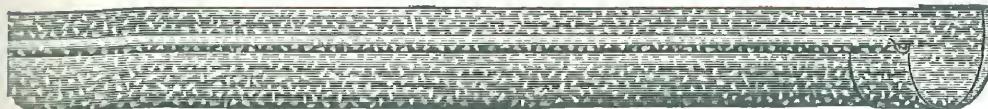
DOUBLE BEAD PATENT SLIP JOINT



Reversible Eaves Trough. DEX 99.9% Pure

SINGLE BEAD PATENT SLIP JOINT EAVES TROUGH

10 feet lengths—no solder required



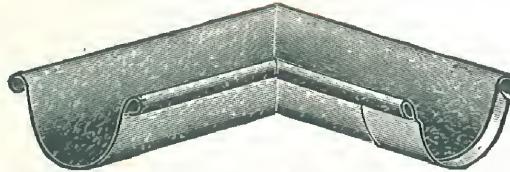
DEX 99.9% Pure

We use Dickelman Extra Galvanized sheets exclusively in the manufacture of our galvanized Eaves Trough and Conductor Pipe.

It is the best on the market; the easiest and quickest adjusted; the strongest; and gives the most perfect satisfaction. No solder required; half the labor saved; not affected by contraction or expansion; much stronger than soldered trough; does not get out of order; and is made of *the best stock the market affords.*

MITRES

DEX 99.9% Pure



PRICE LIST—Single or Double Bead furnished as desired

When ordering Slip Joint Mitres state whether right or left hand is wanted, and whether for "inside" or "outside" corner; otherwise half rights and half lefts, and half "inside" and half "outside" corner mitres will be supplied.

EAVES TROUGH ENDS AND DROPS

A—represents a 12-inch section of Trough with Drop (B) soldered on and the end closed with our Slip Joint End Cap (C).

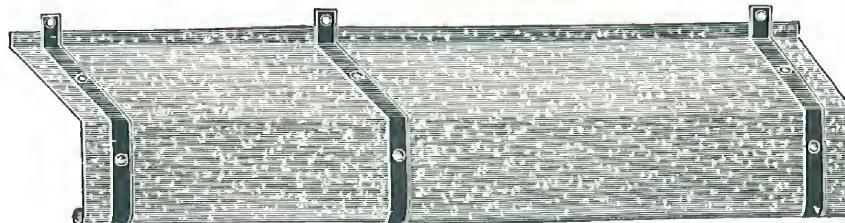
B—represents a Drop or Outlet.

C—represents our Slip Joint End Cap, which requires no solder. May be used right or left.

Note—We furnish End Sections (A) complete, for 3½ and 4-inch Trough with 2-inch drop for 5-inch Trough with 3-inch drop; for 6-inch Trough with 4-inch drop. DEX 99.9% Pure Heavy Gauges quoted on application. Copper Mitres and ends furnished when desired. Prices on application.



Galvanized Barn Door Track Covering



DEX 99.9% Pure.

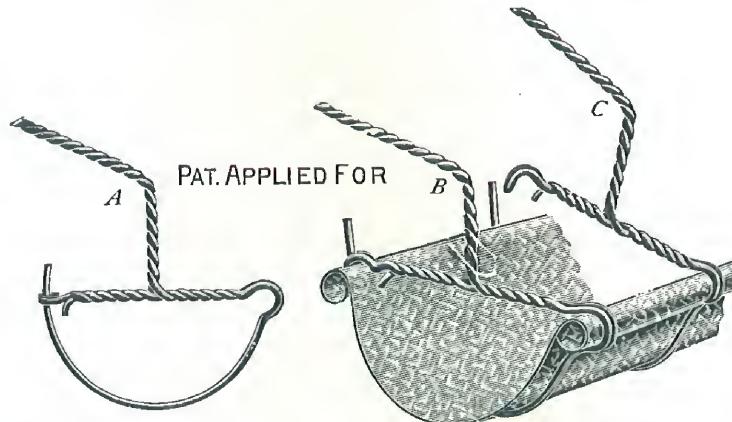
Neat, durable, simple. Better than wood—a perfect protection for your door tracks. 4 inch projection, 6 inch face, 12 inch girth, $\frac{5}{8}$ inch bead.

Price—10 cents per foot net.

Triple Twisted Wire Hangers

For Single and Double Bead Trough

Stronger and Better Than Any Other Make.

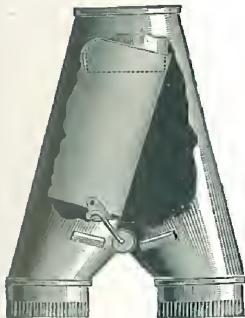


A—Shows Single Bead Hanger complete. B—shows Double Bead Hanger as applied to Trough. C—shows method of applying Hanger.

DICKELMAN EXTRA
The "Peerless" Rain-Water Cut-off

(Patent August 30, 1892. Other Patents Pending.)

Advantages Over All Others



- 1st. It catches every drop of water.
- 2d. It cannot turn back by the force of water.
- 3d. It requires no weight or catch on the lever to keep it to its place when turned.
- 4th. The lever being short and having rests or stops, it cannot be broken loose by trying to turn it the wrong way.
- 5th. Having the shifting tube working loosely inside the case instead of a scoop or pan, the flat surface of tin does not come in contact; consequently it is not liable to freeze or rust fast.
- 6th. Jamming or denting the case will not interfere with its working so readily as it does with others.

7th. Instead of being made of coke or cheap plate and varnished over to make it *attractive*, we use *Dickelman Extra*.

We would be pleased to receive a sample order for the *Peerless*, knowing full well, "once used, always used," would be the result.

Ornamental Porch Gutter

Neat, Cheap and Durable.



DEX 99.9% Pure

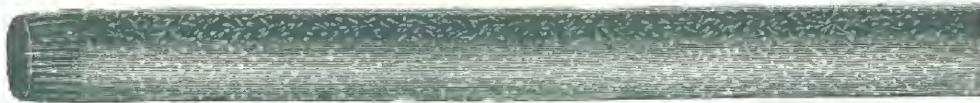
	Inches		Inches	
Size	2 $\frac{1}{2}$		3	4
Depth	3 $\frac{1}{2}$		4	4 $\frac{1}{2}$
Girth	10		12	14
Galvanized	10c per ft.		12c per ft.	14c per ft.

We make Circle Gutter for Circular Porches. Prices quoted on application.

Galvanized Conductor Pipes

The Kind That Wears

Plain Round.



DEX 99.9% Pure.

Corrugated Round.



DEX 99.9% Pure.

Corrugated Square.

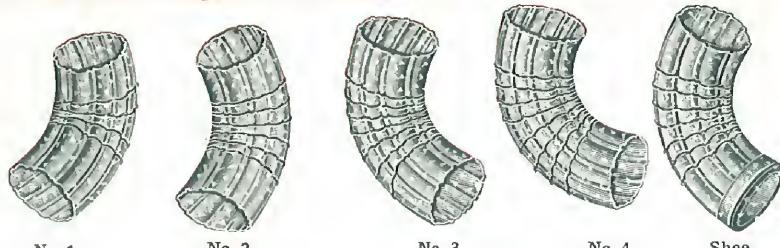


DEX 99.9% Pure.

10 ft. lengths. No solder required. Made from Dickelman Extra stock.
Furnished in 2, 3, 4, 5 and 6 inch sizes, with hangers and fittings complete.

FLAT CRIMP Corrugated Expanding Elbows and Shoes

Made of galvanized iron, round or square, Galvanized after being made.



No. 1

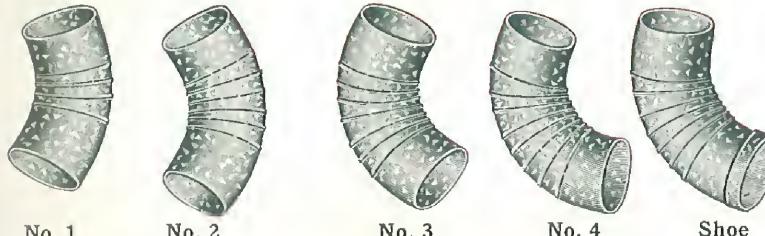
No. 2

No. 3

No. 4

Shoe

PLAIN ROUND ELBOWS AND SHOES



No. 1

No. 2

No. 3

No. 4

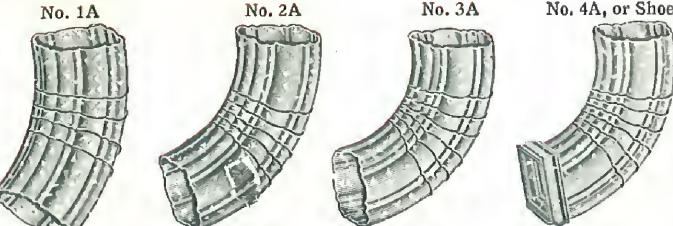
Shoe

The true curve allows the water to flow more freely and rapidly than in the old square elbows; less liable to become obstructed. The crimps in the bend permit of ample expansion, and no soldered joints to come apart.

SQUARE CORRUGATED ELBOWS AND SHOES

In ordering Elbows and Shoes parties will please state the angles required according to numbers in the annexed cuts.

Style "A" represents the regular forward and backward curve.

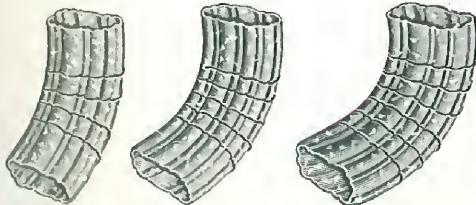


No. 1B

No. 2B

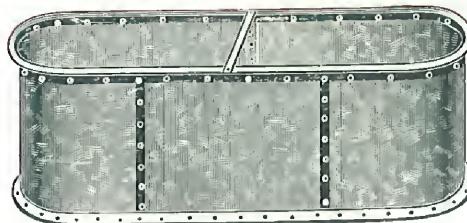
No. 3B

No. 4B, or Shoe



Style "B" represents the side curves, also called right and left. In square elbows, style "A" is sent unless otherwise ordered.

Round End Stock Watering Reservoir Tanks



DEX 99.9% Pure.

Can be furnished in any size wanted to hold from 3 barrels up to about 75 barrels.

Every Tank Well Braced.

The Galvanized Round End Tank is the strongest form of stock-watering tank made.

Prices on Application—State Size Wanted.

Galvanized Sheep Dipping Tanks



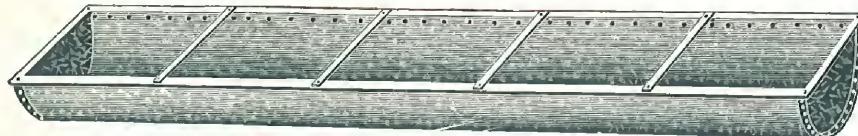
DEX 99.9% Pure.

For Dipping Cattle, Sheep and Hogs.

Our Galvanized Dipping Tanks are the strongest and best constructed tanks on the market for the dipping of cattle, sheep and hogs. Note that the sides and bottom are flanged together and riveted with $\frac{1}{4}$ -inch rivets between two bars of 1x3/16-inch or heavier flat iron. The sides and ends are joined in the same manner, making each corner of the tank bound and braced with heavy iron. Every seam is formed by riveting between two bars of 1x3/16-inch flat iron, rivets placed 3 inches apart. The top is surrounded by and securely riveted to angle steel. It holds its shape perfectly, whether used on top of the ground or buried.

Write for Prices, Stating Size Wanted.

Round Bottom Troughs



DEX 99.9% Pure.

Write for Prices—Stating Size Wanted.

These troughs are intended for hog and sheep feeding purposes and are furnished with strips across top 12 inches apart, when desired.

Troughs shipped without strips unless specified in order.

Angle steel supports to hold round bottom troughs upright will be furnished, when desired.

We use No. 20 Gauge Dickelman Extra Galvanized Sheets in the manufacture of all our Galvanized Tanks.

Galvanized Ventilators

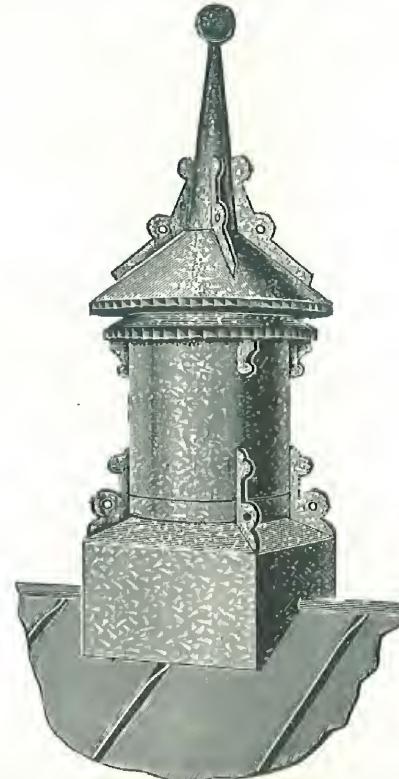
For Barns, Stables, Corn Cribs, Etc.

Cheaper than wood. DEX 99.9% Pure.

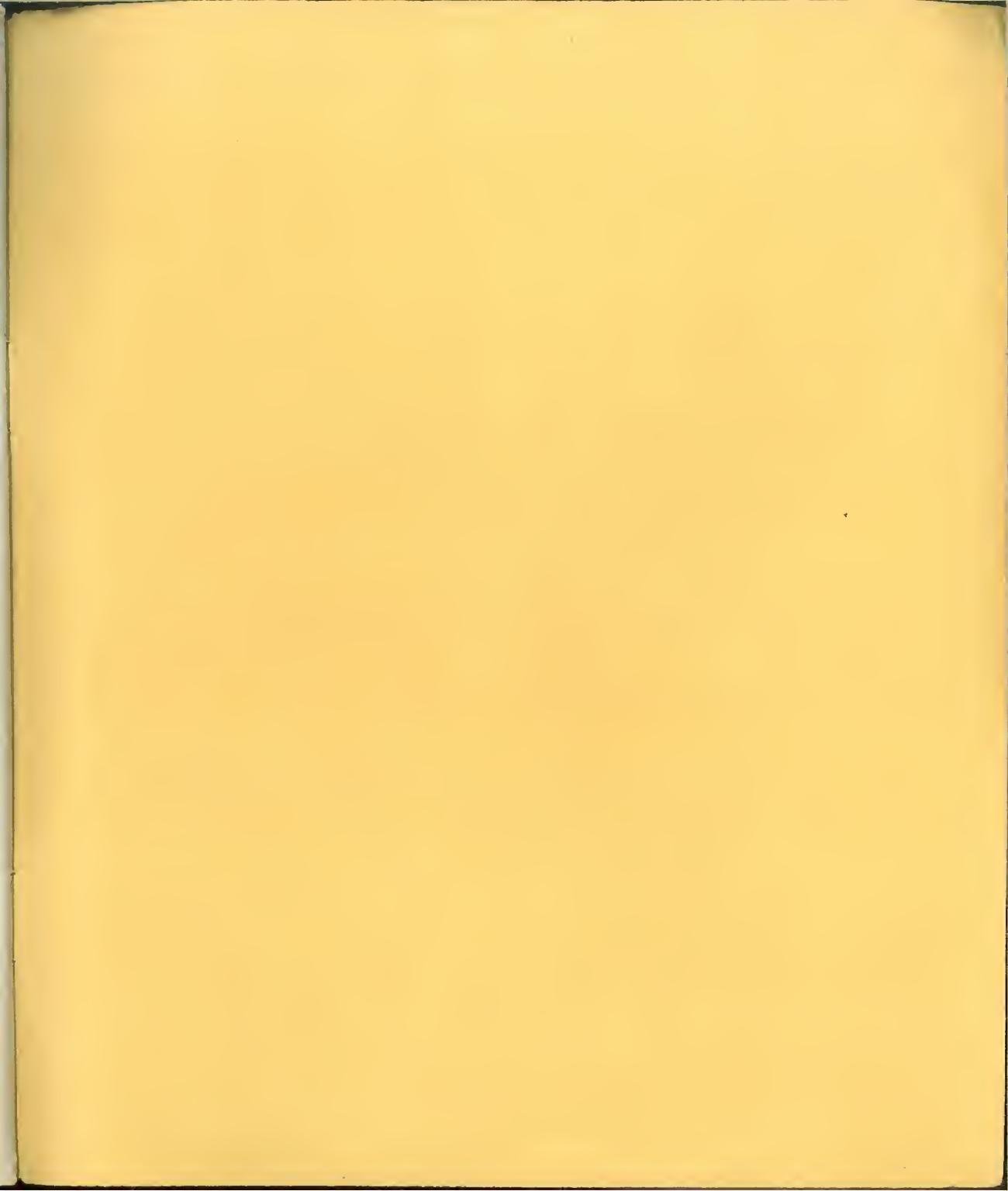
Fire and lightning proof.

Base	Drum	High	Price, Net
No. 0—18-inch	12-inch	5 feet	\$8.50
No. 1—22-inch	15-inch	6½ feet	10.00
No. 2—28-inch	21-inch	8½ feet	12.50
No. 3—35-inch	29-inch	11 feet	15.00

F. O. B. Forest, Ohio.



DEX 99.9% Pure
THE DICKELMAN MANUFACTURING CO.
FOREST, OHIO.



The Roof of Quality

DICKELMAN EXTRA



Guaranteed to Wear
Fifteen Years

DEX 99.9% Pure.